ELSEVIER

Biomembranes

Vol. 1330, 1997

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Cumulative Contents

Information for Contributors vii

Regular papers

Inhibition of annexin V-dependent Ca^{2+} movement in large unilamellar vesicles by K201, a new 1,4-benzothiazepine derivative
N. Kaneko, R. Matsuda, M. Toda and K. Shimamoto (Japan) 1

Mechanism of adenovirus improvement of cationic liposome-mediated gene transfer
C. Meunier-Durmort, R. Picart, T. Ragot, M. Perricaudet, B. Hainque and C. Forest (France) 8

Pores formed by influenza hemagglutinin [1]
R. Jiricek, G. Schwarz and T. Stegmann (Switzerland) 17

Dual effects of extracellular Ca^{2+} on cardiotoxin-induced cytotoxicity and cytosolic Ca^{2+} changes in cultured single cells of rabbit aortic endothelium
Y.-J. Ou, Y.-M. Leung, S.-J. Huang and C.-Y. Kwan (China, Canada) 29

Potassium transport in opossum kidney cells: Effects of Na-selective and K-selective ionizable cryptands, and of valinomycin, FCCP and nystatin
A. Loiseau, C. Leroy and M. Castaing (France) 39

Evidence for extensive and non-specific translocation of oligopeptides across plasma membranes of mammalian cells
J. Oehlke, M. Beyermann, B. Wiesner, M. Melzig, H. Berger, E. Krause and M. Bienert (Germany) 50

Charge-dependent insertion of β-lactoglobulin into monoglyceride monolayers
J.M. Leenhouts, R.A. Demel, B. De Kruijff and J.-W.P. Boots (Netherlands) 61

Lysosome membrane permeability to amines
C.L. Andrew, A.R. Klemm and J.B. Lloyd (USA) 71

Activation of the Na^+/K^+ pump current by intra- and extracellular Li ions in single guinea-pig cardiac cells
A.N. Hermans, H.G. Glitsch and F. Verdonck (Belgium, Germany) 83

Na^+-dependent γ-aminobutyric acid (GABA) transport in the choroid plexus of rabbit
V.K. Ramanathan, C.M. Brett and K.M. Giacomini (USA) 94

Information for Contributors vii

Editorial Note xiii

Rapid reports

Ion channel stability and hydrogen bonding. Molecular modelling of channels formed by synthetic alamethicin analogues
J. Breed, I.D. Kerr, G. Molle, H. Duclohier and M.S.P. Sansom (UK, France) 103

Transport energetics of the Cl^- pump in *Aplysia* gut
G.A. Gerencser (USA) 110

Regular papers

Matrix-assisted laser desorption ionization mass spectrometry of membrane proteins: Demonstration of a simple method to determine subunit molecular weights of hydrophobic subunits
J.B. Ghaim, P.H. Tsatsos, A. Katsonouri, D.M. Mitchell, R. Salcedo-Hernandez and R.B. Gennis (USA) 113

Interpretation of passive permeability measurements on lipid–bilayer vesicles. Effect of fluctuations
A.V. Barzykin and M. Tachiya (Japan) 121

The use of *cis*-parinaric acid to measure lipid peroxidation in cardiomyocytes during ischemia and reperfusion
R.H.G. Steenbergen, G.P.C. Drummen, J.A.F. Op den Kamp and J.A. Post (The Netherlands) 127

Cellular determinants of the lateral mobility of neural cell adhesion molecules
K.A. Jacobson, S.E. Moore, B. Yang, P. Doherty, G.W. Gordon and F.S. Walsh (USA, UK) 138

Effect of lithium and sodium ions on a charged membrane of dipalmitoylphosphatidylserine: a study by molecular dynamics simulation
J.J. López Cascales and J. García de la Torre (Spain) 145

ELSEVIER

Biomembranes

Vol. 1330, 1997

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Cumulative Contents

Information for Contributors vii

Regular papers

Inhibition of annexin V-dependent Ca^{2+} movement in large unilamellar vesicles by K201, a new 1,4-benzothiazepine derivative
N. Kaneko, R. Matsuda, M. Toda and K. Shimamoto (Japan) 1

Mechanism of adenovirus improvement of cationic liposome-mediated gene transfer
C. Meunier-Durmort, R. Picart, T. Ragot, M. Perricaudet, B. Hainque and C. Forest (France) 8

Pores formed by influenza hemagglutinin [1]
R. Jiricek, G. Schwarz and T. Stegmann (Switzerland) 17

Dual effects of extracellular Ca^{2+} on cardiotoxin-induced cytotoxicity and cytosolic Ca^{2+} changes in cultured single cells of rabbit aortic endothelium
Y.-J. Ou, Y.-M. Leung, S.-J. Huang and C.-Y. Kwan (China, Canada) 29

Potassium transport in opossum kidney cells: Effects of Na-selective and K-selective ionizable cryptands, and of valinomycin, FCCP and nystatin
A. Loiseau, C. Leroy and M. Castaing (France) 39

Evidence for extensive and non-specific translocation of oligopeptides across plasma membranes of mammalian cells
J. Oehlke, M. Beyermann, B. Wiesner, M. Melzig, H. Berger, E. Krause and M. Bienert (Germany) 50

Charge-dependent insertion of β-lactoglobulin into monoglyceride monolayers
J.M. Leenhouts, R.A. Demel, B. De Kruijff and J.-W.P. Boots (Netherlands) 61

Lysosome membrane permeability to amines
C.L. Andrew, A.R. Klemm and J.B. Lloyd (USA) 71

Activation of the Na^+/K^+ pump current by intra- and extracellular Li ions in single guinea-pig cardiac cells
A.N. Hermans, H.G. Glitsch and F. Verdonck (Belgium, Germany) 83

Na^+-dependent γ-aminobutyric acid (GABA) transport in the choroid plexus of rabbit
V.K. Ramanathan, C.M. Brett and K.M. Giacomini (USA) 94

Information for Contributors vii

Editorial Note xiii

Rapid reports

Ion channel stability and hydrogen bonding. Molecular modelling of channels formed by synthetic alamethicin analogues
J. Breed, I.D. Kerr, G. Molle, H. Duclohier and M.S.P. Sansom (UK, France) 103

Transport energetics of the Cl^- pump in *Aplysia* gut
G.A. Gerencser (USA) 110

Regular papers

Matrix-assisted laser desorption ionization mass spectrometry of membrane proteins: Demonstration of a simple method to determine subunit molecular weights of hydrophobic subunits
J.B. Ghaim, P.H. Tsatsos, A. Katsonouri, D.M. Mitchell, R. Salcedo-Hernandez and R.B. Gennis (USA) 113

Interpretation of passive permeability measurements on lipid–bilayer vesicles. Effect of fluctuations
A.V. Barzykin and M. Tachiya (Japan) 121

The use of *cis*-parinaric acid to measure lipid peroxidation in cardiomyocytes during ischemia and reperfusion
R.H.G. Steenbergen, G.P.C. Drummen, J.A.F. Op den Kamp and J.A. Post (The Netherlands) 127

Cellular determinants of the lateral mobility of neural cell adhesion molecules
K.A. Jacobson, S.E. Moore, B. Yang, P. Doherty, G.W. Gordon and F.S. Walsh (USA, UK) 138

Effect of lithium and sodium ions on a charged membrane of dipalmitoylphosphatidylserine: a study by molecular dynamics simulation
J.J. López Cascales and J. García de la Torre (Spain) 145

The proton permeability of liposomes made from mitochondrial inner membrane phospholipids: no effect of fatty acid composition
P.S. Brookes, A.J. Hulbert and M.D. Brand (UK, Australia) 157

The role of the trehalose transporter during germination
R. Cuber, E.C.A. Eleutherio, M.D. Pereira and A.D. Panek (Brazil) 165

Riboflavin transport by rabbit renal brush border membrane vesicles
N. Yanagawa, O.D. Jo and H.M. Said (USA) 172

Thylakoid membrane fluidity and thermostability during the operation of the xanthophyll cycle in higher-plant chloroplasts
F. Tardy and M. Havaux (France) 179

Fusion activity of the influenza virus hemagglutinin does not require a transbilayer pH gradient
J. Ramalho-Santos and M.C. Pedroso de Lima (Portugal) 194

Phase transition between hexagonal II (H_{II}) and liquid-crystalline phase induced by interaction between solvents and segments of the membrane surface of dioleoylphosphatidylethanolamine
K. Kinoshita and M. Yamazaki (Japan) 199

Cutting, ageing and expression of plant membrane transporters
S. Sakr, M. Noubahni, A. Bourbouloux, J. Riesmeier, W.B. Frommer, N. Sauer and S. Delrot (France, Germany) 207

Assembly of the chimeric Na^+/K^+-ATPase and H^+/K^+-ATPase β-subunit with the Na^+/K^+-ATPase α-subunit
S. Ueno, K. Takeda, F. Izumi, M. Futai, W. Schwarz and M. Kawamura (Japan, Germany) 217

Purification of a phosphatase which hydrolyzes phosphatidic acid, a key intermediate in glucolipid synthesis in *Acholeplasma laidlawii* A membranes
S. Berg and Å. Wieslander (Sweden) 225

Decreased conformational stability of the sarcoplasmic reticulum Ca–ATPase in aged skeletal muscle
D.A. Ferrington, T.E. Jones, Z. Qin, M. Miller-Schlyer, T.C. Squier and D.J. Bigelow (USA) 233

The thickness of cholesterol sulfate-containing membranes depends upon hydration
C. Faure and E.J. Dufourc (France) 248

Voltage dependent binding of annexin V, annexin VI and annexin VII-core to acidic phospholipid membranes
A. Hofmann, J. Benz, S. Liemann and R. Huber (Germany, Switzerland) 254

Effect of a glycerol-containing hypotonic medium on erythrocyte phospholipid asymmetry and aminophospholipid transport during storage
U.J. Dumaswala, M.J. Wilson, T. José and D.L. Daleke (USA) 265

Glutathione transport system in human small intestine epithelial cells
T. Iantomasi, F. Favilli, P. Marraccini, T. Magaldi, P. Bruni and M.T. Vincenzini (Italy) 274

Lateral diffusion and conductance properties of a fluorescein-labelled alamethicin in planar lipid bilayers
O. Helluin, J.-Y. Dugast, G. Molle, A.R. Mackie, S. Ladha and H. Duclohier (France, UK) 284

Corrigendum

Corrigendum to "Substrate specificity of the mammary tissue anionic amino acid carrier operating in the cotransport and exchange modes". [Biochim. Biophys. Acta 1326 (1997) 92–102]
I.D. Millar, D.T. Calvert, M.A. Lomax and D.B. Shennan (UK) 293

Cumulative Contents, Vol. 1330 294

Author Index 296